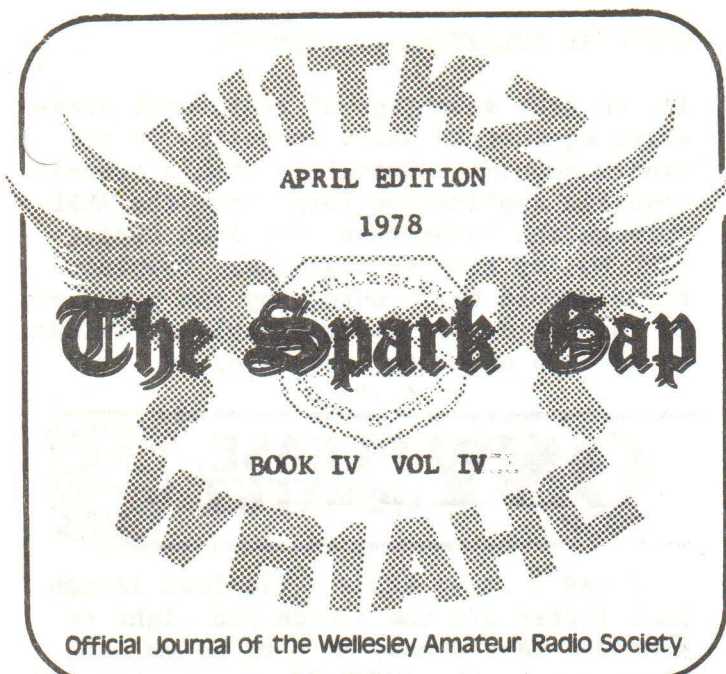




April, the month when we all wake up, to welcome the spring after this long winter, is here. Baseball will dominate the sports scene while robins, crocusses and forsythia will add a little color, and we of the Wellesley Amateur Radio Society will be up to our ears in activities of major proportions compared to those of the rest of the year.

At the meeting of April 6th we will have Bernie Glassmeyer, W9KDR, who is the ARRL Satellite Coordinator, to talk about the newest orbiting satellite, Oscar 8. He is the latest addition to the Club & Training Dept. at the ARRL. One of his duties is to help relieve the heavy workload of Steve Place, the present coordinator. He recently returned from the Western Test range at Vandenberg AFB in California where he assisted in the pre-flight activities of A-O-D. (Amateur Oscar Satellite Delta). He plans to show some slides of this operation which will be of special interest to those of you who work the satellites. All are welcome to attend this meeting.

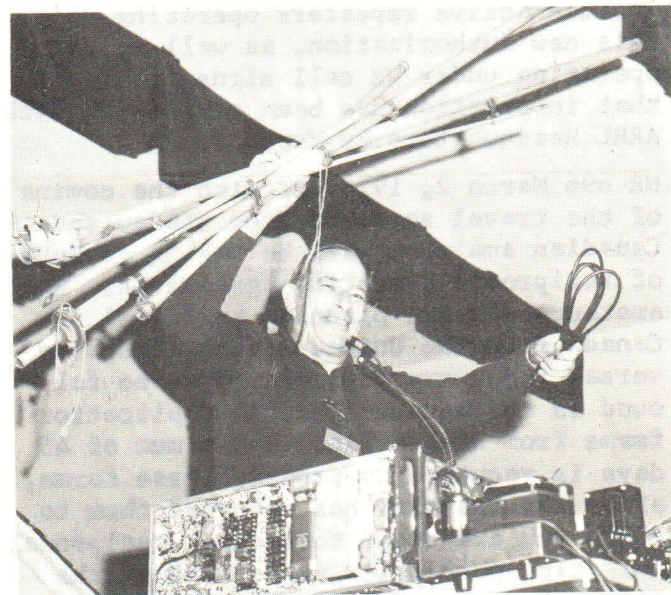
Since this would be the last meeting before our Annual Auction on the 15th, we will have to hold a special meeting on the Thursday, April 13, to finalize everyone's particular chore for this event. There is a lot to be done to make our auction the successful venture we plan it to be so we would like to see lots of faces here.

Then, as if this weren't enough, right after the auction on April 17th we have

been asked to provide communications for the BAA Marathon from Hopkinton to the Prudential Center. We have formulated plans on how to do this and your attendance would be most appreciated in order to make this undertaking come off in good style. Details will be discussed at this meeting in addition to those of the auction.

It seems that we will be so busy in the first half of this month that you will just have to take the robins and crocusses for granted. We hope to have operators on 2 meter FM posted at various checkpoints along the Marathon Route to send in reports to the Officials as to how the race is progressing. Since this will be the first time hams have been involved with this race, it would be a nice remembrance for you to take into your later life, that you were a charter member of the first ham communications for this race. In any event, we are excited about this as well as our auction and hope to see many of you volunteering for both of these activities.

Finally, for the rest of the month, if you aren't working all that DX on the bands, (and ten meters has been open from Europe to Australia), you can sit back and rest, enjoying all the signs of this long-awaited Springtime.



MEETINGS THIS MONTH: _____
April 6, April 13, April 20th at 7:30 PM

Intermediate Bldg., Wellesley Hills, Mass.

OFFICIAL BULLETIN

NR 694 Feb. 16 from ARRL BT FCC has adopted type acceptance of amateur power amplifiers and a ban on all commercially available power amplifiers capable of being operating between 24 and 35 MHz. The Commission has not yet determined the effective date of the new rules, adopted in Dockets 21116 and 21117 on Feb. 16, 1978. An amateur will continue to have the right to build or modify an amplifier for personal use on the ten meter band. AR

NR.693 Feb. 16, 1978

BT The FCC announced Feb. 13, 1978 that it is permitting licensed amateur radio operators to operate their primary stations as repeater, auxiliary link, control and remotely controlled stations without prior FCC approval. Primary stations operating in the repeater mode must identify by following their call sign with RPT/repeater, primary stations following their call sign with AUX/auxiliary, depending on the mode used. There are no special identification requirements required for primary stations operating in the control or remotely controlled modes. This waiver is effective immediately and will terminate when the FCC releases a further order in 21033 pertaining to this matter. The upcoming edition of the Repeater Directory will include active repeaters operating under this new authorization, as well as those operating under WR call signs, provided that information has been registered with ARRL Headquarters by March 1. AR

NR 696 March 2, 1978 BT With the coming of the travel season United States and Canadian amateurs will be taking advantage of reciprocal operating agreements. For amateurs who are planning to travel in Canada from the United States, and vice versa, the current procedure to be followed is to request specific application forms from ARRL. Since a minimum of 45 days is required to process these forms, after the traveler has returned them to ARRL, you are urged to request reciprocal operating permission forms through the International Services Officer, ARRL HQ, as soon as possible. AR

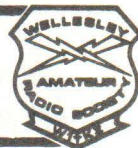
NR 697 March 9, 1978 BT This is a modification of Official Bulletin 696 regarding United States and Canadian amateurs seek-

OFFICIAL BULLETINS.....CONT'D.

ing to take advantage of reciprocal operating agreements while traveling in the others country. Travelers should request specific application forms from the ARRL through the Membership Services Dept., ARRL HQ, as soon as possible. Completed forms should be forwarded by the traveler to the DOC or FCC as applicable a minimum of 45 days prior to departure. AR

* * * *

QSY PLEASE, de WTKZ



OSCAR 8 is up after a flawless launch that lifted off the launch pad right on schedule last Sunday Morning March 5th. Listeners to the AMSAT 20-meter net heard the actual countdown and blastoff relayed by WA3NAN, and the later ejection of OSCAR 8 from the launch vehicle was so perfect that the 435.095 MHz beacon signal showed the satellite was tumbling far less than had been expected.

Tests are currently being made and it looks like it will be ready for general communications around the first of April.

Anyone copying OSCAR 8's telemetry during the first 100 orbits can receive a special OSCAR 8 QSL by sending the copy to Bernie Glassmer at ARRL, and those who checked into the launchday 20 meter net are eligible for a "First Day In Orbit" QSL from NCS WA3NAN, Box 86, Greenbelt, Maryland 20770.

* * * *

"New Tickets"



The guys at the club have been getting ambitious in upgrading their tickets and we are pleased to note the following people have upgraded to Advanced, Matt Vartanian W1WDF, Tony De Cicco WB1BUS, Ed Pavone WB1ECR, Bob Young W1MXI and Ted Robertson WB1ECL. And to EXTRA class, Dave Smith K1BSO and Dave Curry W1TAK.

I haven't heard of any other upgrades at this writing but since we now have a general class in session, we should be able to report a few upgrades when these fellows become knowledgeable.

The Spark Gap

Official Journal of the Wellesley Amateur Radio Society



EDITOR-IN-CHIEF, JAMES W. HATHERLEY

THE "SPARK GAP" IS A MONTHLY PUBLICATION OF THE WELLESLEY AMATEUR RADIO SOCIETY. ITS SOLE PURPOSE IS TO KEEP ITS MEMBERS ABREAST OF CURRENT HAPPENINGS, F.C.C. RULES & REGULATIONS CHANGES AND TO LIST EQUIPMENT OFFERED FOR SALE OR TRADE BY MEMBERS. MEMBERS ARE ENCOURAGED TO CONTRIBUTE TO THE SPARK GAP AND MAY SEND THEIR ARTICLES (TYPEWRITTEN IF POSSIBLE) TO THE EDITOR-IN-CHIEF OR TO THE CLUB ADDRESS.

THE WELLESLEY AMATEUR RADIO SOCIETY IS A NON-PROFIT ORGANIZATION DEDICATED TO THE PROMOTION OF AMATEUR RADIO THROUGH INSTRUCTION, FELLOWSHIP, DEMONSTRATION AND ENCOURAGED PARTICIPATION. ANNUAL MEMBERSHIP IN THE SOCIETY-\$5.00. CLUB YEAR RUNS FROM SEPTEMBER 1 - JUNE 30. AMATEUR NOVICE AND GENERAL CLASSES ARE CONDUCTED REGULARLY AT NO COST. TO ENROLL IN A CLASS OR GAIN INFORMATION ABOUT THE SOCIETY IN GENERAL, WRITE THE WELLESLEY AMATEUR RADIO SOCIETY, 324 WASHINGTON STREET WELLESLEY HILLS, MASS 02181



It Seems to Me...

Some time ago in the 'GAP' I wrote an article about policing our own hobby insofar as profanity was concerned. Recently I heard profanity being used on a CW QSO at fairly high speed. I waited for an opening and jumped in to remind the guys that this was ham radio and not some CB frequency. One chap asked me if I was an Official Observer. When I said no he came back, "Well the FCC will never catch us so we will continue to use it." Boy, what gall! So I immediately came back and said that if I ever heard them using it again I would tape their copy and report it directly to the FCC. With this I left the frequency but the important point is this: If you hear such goings on, as a ham, you should make it your duty to break in and remind the offenders that this isn't consistent with the proudly earned tradition of how clean Ham radio has been and usually they will thank you because you cared enough to remind them. However, if we hear such stuff and do nothing about it, then it can only get worse until it almost is

4/78
IT SEEMS TO ME.....CONT'D.

uncontrollable. We certainly don't want to mar our good record built up over the years. If you should break in to remind the offenders and get some grief, don't argue, just report this to the FCC and we will get these people off the air, they just don't belong there. This sounds a bit on the stern side but then again, the people who revert to profanity are aware that they are breaking the rules and don't belong. At least that is my view on this subject. If you would like to air your own views, pro or con, please write and we will put it in the paper. I hope you do.

Jim Hatherley, WALTBY

* * * * *

CHUCKLE KORNERS FROM THE MAILBAG



The above logo is new and was meant to be used as two separate sections but since we got another anonymous letter from WE/ARY I thought I would use both captions:

One Flew Over The Cuckoo's Nest
Or
We Live Under An Airline Route

Once a week my husband gets a call from his friend Antenna Al. Al's biggest worry in life is that Murphy's Law will apply to his antenna. If the sun's too hot, it'll melt the wires. If it's raining, the worry is a short circuit or rust. Any wind over 7.2 m.p.h. is considered strong enough for concern, so it was only natural that during the February blizzard the telephone wires held up long enough for Al to call.

"Hi friend." "Hello Al, how ya doing?" "Fine. Just fine. (That's always the pre-ambule to his next sentence.) But gee friend, I'm worried about my antenna." "Now Al," says husband laughing, "No sense in worrying about it. In this storm you just look the other way until it's all over. My antenna? Hey no fella, it's as sound as a dollar." That was enough to implant the seed of doubt in my mind. I'd been watching the storm closely from the den and I figured if what he said was true, then he had two cents left up on the roof.

FROM THE MAILBAG....CONT'D.

And when he got off the phone I told him just that. "oh no dear, I'm not the least concerned about it. My involuted dipole with the radical beam and the slew-foot tripod is there to stay." He disappeared from the room. Sometime later I went to the kitchen to make some tea. He was standing in front of the window looking up at the antenna. "Tea?" "No thanks." "Worried?" "Nah." And he turned and smiled at me as though to reassure. Somehow, the way his eyes had crossed and his hair had stood up on end, I found it difficult to believe him. He sidled casually to the door. "Maybe I'll just have a look." I fixed my tea and as I passed by the window on the way back to the den, I saw my husband standing in front of the garage looking up at the antenna, wet thumb held up to the wind. Hams, I thought! Wonder what they measure with frozen spit?

A few hours later Jr. came home from school. "Where's Dad?" "If he's not out in the yard, look for him in his car with his mo-bile," I answered, knowing this was another of his favorite haunts. Jr. disappeared in the blizzard and came back with a negative nod of his head.

Minutes later the phone rang. My neighbor, who spends most of his time looking in fascination at the goings-on in our yard, was calling for his latest "ha-ha". "Good afternoon neighbor, I was just wondering what the new thing is up on your roof. Looks like a weather vane. Whatever, my retriever has had it on point for two hours. Ha Ha." Before I hung up, a few new expletives were born.

I knew that installing more equipment was impossible in the blizzard, so I checked to see what he was talking about. I pushed open the back door, heavy against a snow drift, and made my way to the garage. Sure enough, the dog was on point - frozen in position - and there was my husband on the roof hanging on to his antenna, the wind now whipping it wildly around in huge circles. Now everyone knows that to argue with a hibernating bear is to invite trouble, and I've lived too many years with this bear to do that! My only thought now was to make him comfortable. I went back to the house, made a thermos of coffee, grabbed a blanket, and made my way back. "Here," I yelled as he swung by, "You'll need these." "Thanks," came

FROM THE MAILBAG.....CONT'D.

his voice somewhere from the swirling white, "I'll grab them on my next pass around." As I climbed back down the ladder, the pigeons I had disturbed before, returned, and snuggled in the crook of his arm.

Once more, in the warmth of my kitchen, I made a huge pot of tea and reflected on the rather lonely lives of the hams XYs, the monotony broken up to a degree, only by the inter-relationship with the other hams. I sighed as I looked at the clock. Only six days, four hours and seventeen minutes more before Antenna Al's next call. I settled down to wait. Perhaps I could convince him to come and retrieve friend husband before the spring thaw melts the ice and he falls off the roof.

In the meantime, if anyone has a good recipe for pigeon eggs, please send it along.

WE/ARY

(SEE ILLUSTRATION ON LAST PAGE.....)

Ed note: Many thanks WE/ARY for another interesting article, we hope to hear from you again. * * * * *

Executive Minutes

For those of you who didn't make the last meeting, the club has updated its agreement with the Middlesex Radio Club to share the cost of the repeater on a 50/50 basis. It seems that the MARC was paying the bulk of the expenses and didn't seem fair since we use this repeater as much as they do. This agreement was voted upon and passed at the last meeting.

About the status of our KWM-2 Collins transceiver. We sent it to the Collins factory for an evaluation as to what it would cost to bring it to a 'like new' condition. They told us somewhere in the vicinity of 247 bucks which we also voted to have done. When we get this rig back we should then be able to put out some code practice on the air for you who want to get your speed up. The return of it at this time is indefinite since the Collins people haven't given us a date. In the meantime, we still have use of WAIPOYs HW-101 in case you want to utilize your membership to use our console and sit down to operate from there. The station is on most week nights but the attendance isn't all that great for the most part.

How's DX

By
Bob
Rudko
W1HSS

After you've worked all those DX stations and want to get your DXCC award, or one of the many other DX awards, it is necessary to get your DX QSO confirmed. That is, it is necessary to get a QSL card from the station you contacted saying that indeed, a contact was made, it was a 2-way contact and stating the band, and your signal report. Even if you are not interested in the award, collecting overseas QSL cards can be an interesting part of Amateur Radio.

Usually, a DX station works a large number of U.S. stations, and to send them all QSL cards would cost a great deal for the postage. So how do you get him to send you a card? If you send him a self-addressed envelope stamped, (SASE) along with your QSL card, you can be pretty sure of getting a card. However, the stamps you send him must be stamps of his country, and these might not be easy to get. In lieu of sending him stamps, you can send International Reply Coupons, or IRC's.

Se can be exchanged by him, at his post office, for stamps. This method usually works as well as stamps, however is relatively expensive, since IRC's cost 42¢ each, and it usually takes at least 2 to get an airmail stamp in a foreign country.

A much better way than going direct to the DX station is to go through his QSL manager, if he has one, and these days many DX stations have U.S. managers. In this case, all you have to do is send your card, along with an SASE (13¢) to the station's QSL manager, and he will send you back a QSL card from the DX station.

There is even a less expensive way to get QSL cards from overseas stations, and that is to use the QSL bureau. There are two kinds of QSL bureaus, incoming and outgoing, and in this country, both are run by the ARRL. To send your cards out through the outgoing bureau, wrap them up in alphabetical order and send them along with \$1, a SASE plus the label from QST magazine to the Membership Overseas QSL Bureau at ARRL Headquarters. The league will then distribute your cards to the various overseas bureaus.

To get cards which come in to you from the overseas bureau, every active DXer

HOW'S DX.....CONT'D.

should keep several 5 x 7 inch envelopes on file with the bureau of his home district. Place your call in large block letters in the upper left corner and attach one or more first class stamps, depending on how many cards you expect. For more detail on these bureaus, see QST Oct. 1976.

Next month we will discuss DX nets and how they can help you. 73 and good DXing.

de Bob, W1HSS

Auctions / Flea Markets

- April 9 CT Pioneer Valley RPTR auction and Flea Market, Newington High School, Newington, CT. 10 to 3 PM
- April 15 MA Wellesley Amateur Radio Society Auction, Wellesley High School, 50 Rice St., Wellesley 10 to 5 PM, Talk in on 36/96 52/52 04/64
- April 28 MA Central Mass ARC auction, American Legion Post 341, 1023 Main St., Worcester, Ma. start 7 PM.
- May 7 MA South Shore ARC auction and Flea Market. Viking Club 410 Quincy Ave., (Rte 53) E. Braintree, Ma. Flea market at 10 and auction at 2:00 PM.
- April 29 Ma Framingham ARC Flea Market 10 to 3 PM at drill shed behind Framingham Police Station.
- May 13 NH Horsetraders Swap-fest 9 AM Deerfield Fairgrounds, Deerfield NH.
- May 20 RI RI-FM rprr (16.76) 10 am for flea market, 1 PM for auction. Steers Club on Waterman Lake, Greenville, R.I. I-95 to I-295 to Rte 44 West 3.4 miles up the road.

DERRY NH SWAP NET EVERY TUESDAY at 10 PM on 25/85 repeater.

Horsetraders net on Sundays through April on 3940 Khz at 4-6 PM.

Anyone having knowledge of unlisted auctions or flea markets, please drop a card to Ray Shoop, N1CW, 13 Royal Crest Dr., Marlboro, Ma 01752 so he can put it in paper.

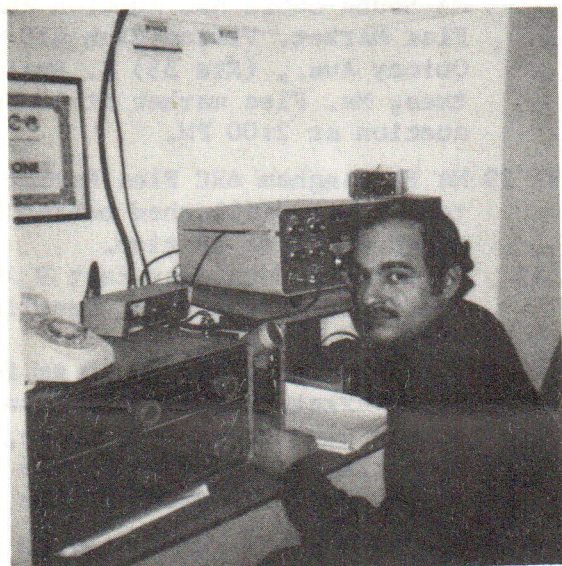
* * * * *
A REMINDER that the FCC license exams will be updated and put into effect on May 1. If you plan to go for an upgrade, try to make it before that new date.

profiles

Stepping into the spotlight this month is Dr. Robert Rudko, W1HSS, or more commonly called Bob Rudko. Bob, as many of you know, has been an active member of the club for some time now and has been providing us with a DX column as well as having been one of our general class instructors.

Bob was born in the Big Apple, New York City and went through the school systems there, graduating in 1958. From here he went off to Cornell University where he majored in Electrical Engineering. He graduated in 1962 then went on to earn his Ph. D in 1967.

From here he went directly to the Raytheon Company and has been there ever since and enjoys the title of Principal Scientist. In this position he works on gas laser beams. He also has a few optical patents to his credit through the company.



Bob started his hamming career off with the call K2NTP and QTH was New York City. At this locale he had a one element beam for 15 mtrs and managed to run both 40 and 80 meter dipoles through the trees and rooftops, a feat of ingenuity no doubt for that congested area.

In 1967 when he moved into the Boston area, he got his present call, W1HSS. His ham equipment consists of a Heath SB101, a Hallicrafters HT-41 linear going to a TH3 Hy-Gain beam up 50' on a tower. with this setup he does much DXing, one of his

PROFILES...CONT'D.

favorite pastimes in ham radio. He also can be found on two meters on his I-COM22S. He is also on the Technical Committee of the Framingham repeater. As a DX'er, he has worked 165 countries, 132 of them are confirmed, and is also secretary of the Southern New England DX Association. He is also the QSL Manager for JY9VK in Jordan. At this writing he is eagerly looking to making a contact with the Clipperton Island DXpedition.

Bob is married to Nancy and they have two daughters, Susan 11 years old and Rebecca who is 7 years old. So far they are not hams but give them a little time.

So, since Bob started hamming it up in 1955 when he got his first ticket, he has come a long way and we are proud to be associated with him and will continue to look forward to his DX articles in the GAP.

* * * *

Wonder Abouts...

Here is a new idea for the Spark Gap, a column or item about what happened to so and so or where is he now. But every so often you might muse to yourself, "Gee I wonder about". So, drop us a line and let us know who you are wondering about and I will start off the first wonderings.

Wonder what became of Paul Randazzo, W1SXU? He used to be active in the club but haven't seen him much lately.

Wonder about Marshall Cannell, W1DMC who gave me my Novice exam? About Jim and Maureen McGrath, W1IACC & W1IACD, About both Bruno Vasil's Sr. and Jr. W1IAJA & W1IACF. Gosh I don't recall seeing any of these people at our meetings in some time. Hope when you read this, you will come out of the woodwork and pay us a visit, we would like to hear from you.

In case any of you have been wondering about Charlie Chabot, W1GBF, he had had a mild heart attack but is now well on the road to recovery. We certainly wish you all the best Charlie.

There, now that you have the idea of 'Wonderabout', let's hear about yours and we will print it in the next edition of the Spark Gap.

* * * *

"Timeout!"

By Mike Adlerstein, K1FB

The world is going digital! Not too many years ago the word "digital" was associated almost exclusively with computers. Adding and subtracting binary numbers proved to be the beginning of a whole new approach to electronic design. The approach is now making major inroads into Amateur Radio equipment design as costs drop and techniques improve. More about this later.

What is meant by "digital?" In a digital circuit, the amplitude of a signal passing through a component is not important. What is important is if a voltage is there or not, a zero or a one. These signals are "processed" by such procedures as counting them for a given length of time, or comparing a certain pattern of 0's or 1's on a set of wires with reference pattern on a similar set of wires.

An example will serve to illustrate the point. Suppose we have an oscillator (called a VCO or Voltage Controlled Oscillator, in proportional to an applied voltage. Assume further that each time the sine-wave coming out of the VCO reached a peak, it would trigger a pulse from a second circuit (called an analogue to digital converter). The result would be a digital voltmeter once we calibrated the VCO. This is shown in the block diagram below.

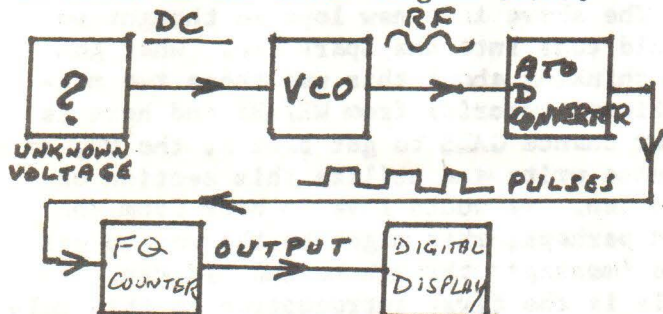


Figure #1. A digital frequency meter

If you think about it long enough, you can convince yourself that the resolution of the digital meter can be made as high as you wish by having a sufficiently high VCO frequency and sensitivity to be able to tell the difference between 12.00 volts and 12.01 volts on an old fashioned "analogue" meter, the meter face might have to be as big as the wall of your shack. Yet it is simple with the digital system.

4/78
TIMEOUT.....CONT'D.

Notice that we haven't talked about the guts of the junction boxes; just their inputs and outputs. This is a luxury that electrical engineers have just recently acquired with the advent of compact integrated circuits.

Remember when you needed lots of crystals in your 2 meter rig? Digital circuits like the one above have eliminated the need for them and ushered in a whole new generation of equipment. We'll talk about how it is done in future columns so save this one for your reference.

de Mike Adlerstein, K1FB

* * * * *

REMEMBER WHEN ON 2 METERS: BE POLITE -
DON'T TAIL BITE!!!

NEW CLUB MEMBERS

We would like to introduce to you our latest members of the club; Joel Lebow and Paul Adams. Both are enrolled in our current Novice classes and as yet don't have their tickets yet.

Last month in the New Members section I erred on Ted Tannozzini K1ZQW. His name is Dan Tannozzini and Dan, I am sorry for the boo-boo.

We would like to welcome you into our fraternity fellows, and as members, you not only will be getting the Spark Gap but the use of the club station is at your disposal once you get your ham licenses. Make use of the station as much as you wish.

* * * * *

EVENTS

What bigger event could there be than our annual Auction on April 15th? Kevin Kelly W1YHV, our Auction Chairman, has done considerable work on this project to see that all comes out well and the results of his labors are beginning to show. The event will be well publicized in the ham magazines and we have printed up 10,000 flyers to be distributed throughout the New England area regarding the details on the what, when, where and how's of this auction. We should have a lot of people in attendance since we sent many home last year, very happy about the professional way we held our thing. And the same great auctioneers will be on hand to help us, Eric Poole W1RKT, Dave Aronowitz K1LPI and

EVENTS.....CONT'D.

Joe Borrow K1GFH. Since this is such an important event to raise money for the club it is important equally that we attend the upcoming meetings to find out, more specifically, what our jobs are. This will cut down any confusion on Auction Day. Your cooperation will be much appreciated. So let's make this one even better than last years.

* * * * *

ELECTRONIC EXCHANGE

Looking for a Heathkit VFO HG-10 to use with my DX-60 transmitter. Call Farrell Wood, WB1ELQ at 235-1901

FOR SALE: National HRO-60 Receiver 1.8 thru 30 MHz. Works great. \$150.00 or swap for a Heath HW-8 QRP rig. Will haggle. Call evenings. John WB1ALZ, 655-4136.

Swan 300B transceiver, 10 thru 80 meters. 300 watts PEP. 3 years old and in mint condition. Swan VFO model 508. Whole pkg \$400.00. Call Buddy Rath 444 5092.

FOR SALE: 2 meter repeater includes transmit deck, receive deck and power supply. \$150.00

450 meter repeater includes transmit deck, receive deck and power supply. \$175.00. For either of these call Dave Aronowitz, K1LPI at 354 7337. Both units can be got for 300 bucks which includes a mounting rack.

FOR SALE: Drake tr33C in good condition with regular mike, encoding mike, telescoping antenna, rubber duckie, shoulder strap, all necessary cords plus cigarette lighter adapter, fully crystallized with 3 extra crystals. \$225.00 or will talk. Call Al, W1UWF at 969 4816.

FOR SALE: Wilson Model 1405 Walkie with touchtone mike, nicads, battery charger and fully crystallized. \$390.00 or B.O. ALSO Bearcat IV Scanner, all 8 channels are crystallized. \$130.00 or best offer. Call on either of the two above items to Chad Johnson W1YHT at 235 5114.

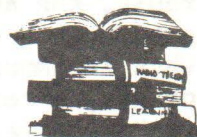
For the benefit of the newer members, this section of the Gap is a free service if you are looking for any gear or want to sell some. Just let us know.

ELECTRONIC EXCHANGE.....CONT'D.

Looking for 80-10 meter transceiver, 100 watts or more and not over 300 bucks. Call Bryon Bartavedian 326-6247

For Sale: VTVM Heath Model IM-13. It is like the IM-5228 in the current Heath catalogue, without probes \$25.00 A Heathkit regulated power supply Model IP-32 like the IP-2717 in current Heath catalogue. \$40.00. 0-100 VDC at 1 ma, 6.3 volts AC at 4 amps, and 0-400 volts DC at 100 ma. And finally, a Queament SWB-2 SWR and Power Meter. \$12.50. Any of the above items, call Dick Paret W1ZLQ at 762 5074.

education corner



Both the Novice and General classes are now progressing. The novice class consists of 20 people and is being taught jointly by Dick Magnanti WB1BUQ and David Curry W1TAK.

The General Class is being taught by Don Chesley W1HVS and Bill Downing W1PQY and they have about 15 people attending.

The Novice class meets on Monday nights and the General class meets on Tuesday night and both start at 7:30 PM. Anyone wishing to attend is most welcomed.

* * * * *

'YL' Rumblings

The above is a new logo we thought we would toss into the Spark Gap. What got me thinking about this was those two magnificent outcries from WE/ARY and here is your chance GALS to get back at the OM, so please write and utilize this section of the Gap. We would love to hear from you and perhaps, this might be the way to get the 'message' through to the Old Man. As this is the first introduction to this column, we don't have anything to put in here so it is up to you to make it happen.

* * * * *

Hearabouts....

Walt Lenk, K1VYTY is having a lot of fun with his Yaesu FT-101EX and his attic trap dipole for 10-15-20 meters on the low end 15 mtr novice band. So far, Walt, has worked into Germany, Sweden, Denmark and Czechoslovakia. He is really impressed with that attic antenna and should raise

HEARABOUTS.....CONT'D.

the aspirations of some of you apartment dwellers who have been cramped for antenna space. Walt, who for many years was almost exclusively a 2 meter bug, has been bitten by the CW bug again and is having a ball. Have you tried CW recently? You might find him on the bands early in the morning.

Tim McNamara W4LYHU, is still convalescing from his injuries suffered in an auto accident but is coming along fine. One of these days we hope to see Tim at one of the meetings.

Maurice Puente WB1DZX, is visiting his folks down in El Salvador, Central America and is brushing up on his Spanish.

U.S. travelers to Ontario should leave their radar speed detectors behind, the Province amended its highway act in Dec. to prohibit their use, and has been actively prosecuting motorists using them since. Take care for those who this might affect.

Also heard that some bloke in California is a bit angry at the failure of the FCC to issue more frequencies to the CB bands. He is so riled up that he has got quite a few signatures from CB'ers and is going to take his case to the Washington legislature. Meanwhile Win Greene of the 73 publication is also seeking signatures of hams as a counter move to this. Details are available in the March edition on page 10. I don't have this issue but perhaps some of you have and it would be a good idea that we as hams, support this vote of confidence to Win as he will be in the thick of it lobbying for ham radio. Talk about it on 2 meters and let's get some chatter from the locals on this. If this guy in California gets his way, it could hurt Ham Radio at the WARC 79. He could be blowing in the wind but if we let it pass unnoticed then it is our fault.

During the emergency of February 6-7 many hams turned to and did their part to help. One weakness that I noticed was how unfamiliar a lot of hams were with the proper creation of a piece of traffic. So since this is such a long paper now, I will put this off until next month when I will go over this with you. My reasons? A piece of traffic improperly composed could have trouble finding its way to its destination.

ANNOUNCEMENT

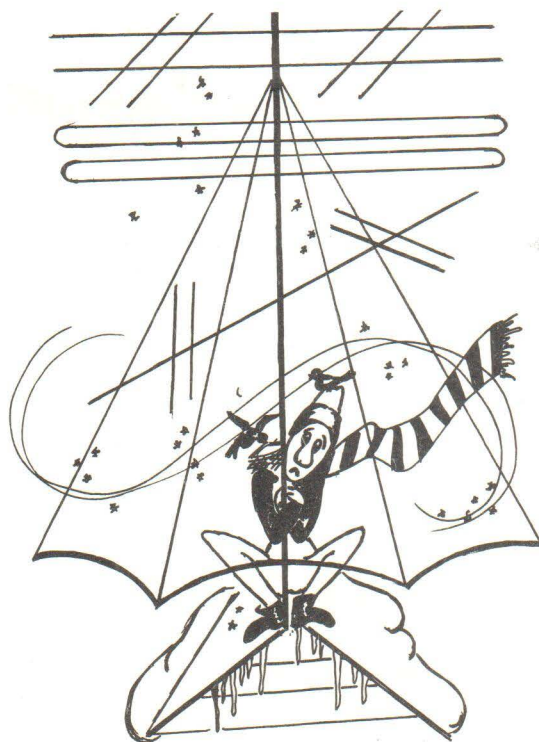
We will have new tee shirts available to you by the first meeting in April. They are really classy with the insignia of the club on the front. Cost of these shirts will be \$3.50 and will come just in time to show some class at our auction and the Marathon events. This is something you can wear with pride and know that you will like what you see. They will come in assorted sizes from small, medium, large and extra large. More will be made as time goes on but for the first meeting the supply will be limited so bring your money with you for yours. The insignia is silk-screened and not a decal. Other clubs take note: if you would like to have similar shirts for your club, let us know and we will be happy to talk about it.

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And with that good people, I think we will close down this edition of the Gap for another month. As usual it was fun getting it together but again I would like to make a plea that I could use some help in various areas of this paper. Between working for a living, being company to my family and compiling and typing this edition, it gets to be quite a chore for one person so give it some thought huh?

See you all at the next meetings, and until then vy 73s from all of us.

Jim Hatherley, W4TBY
Editor, Spark Gap



SKI TRIP

The first Wellesley ARS Annual Ski Trip was kicked off on March 5, 1978. The trip was to Mt. Sunapee, N.H. and the skiing was excellent even though Mother Nature turned down her thermostat. This, however, didn't dampen the spirits of the participating ski enthusiasts. Everyone had a great time. The group consisted of Bill Downing, W1PQY, Glen Brodie, W1BVN, Nina Brodie, W1ECJ, John Bellantoni, W1ALZ, Carl Achin, W1ZCQ, Farrell Woods, W1ELQ, John McReynolds, W1WDE, Dick Magnanti, W1BUQ, and his two harmonics, Judy and Russ, with Russ' friend, Chris Wornley.

The group went up in four cars and kept in contact by 2 meters on 96-36, 04-64, 52 direct, Derry, N.H., 25-85, and the Concord repeater, 34-94.

Halfway up we picked up John, W1WIG, and his son, who come from Rhode Island, also on their way to the mountain. There was a running QSO between all five cars all the way up.

Carl Achin, W1ZCQ, brought along his 2 meter walkie and did some "mountain topping." He made some interesting contacts. (I'm sorry I didn't have the pleasure of skiing with you Carl, but you're a little too fast for me. We'll rectify that at a later date.) Our "champ in residence," Nina Brodie, who has done some competitive racing, and Judy, my harmonic, kept the trails prettied up with their presence. (Our official Snow Bunnies!) We're sorry you had to leave early Bill, we missed you in the afternoon. But John Bellantoni, W1ALZ, Farrell Woods, W1ELQ, and John McReynolds, W1WDE, would still be burning up the slopes if the lifts hadn't closed.

When we got to the parking lot, Glen, W1BVN, discovered he had left his parking lights on and his battery was dead. This presented no real problem, just required jumping his battery. On our way home we contacted Sid Bennett, K1AW, who was returning home from Waterville Valley with his family.

De Dick Magnanti W1BUQ